



Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, Connecticut 06340

www.mysticair.com

maq2@aol.com

800 247-7746

September 16, 2015

Mr. Charles Karno
Town of Ledyard
741 Colonel Ledyard Highway
Ledyard, CT 06339

Re: Pre-Demolition Asbestos Survey (9/10/15)
Highlands Water Treatment Plant –Tank Room Building & Pump House
Ledyard, CT

Dear Mr. Karno:

As requested, Mystic Air Quality Consultants, Inc. conducted a pre-demolition survey at the location above on September 10th, 2015. This survey was conducted by Brian Woodard, a Connecticut State licensed asbestos inspector (license # 000741), to determine the presence of asbestos-containing materials. The samples were analyzed by polarized light microscopy at Environmental Hazards Services (NVLAP # 101882-0) in Virginia.

Summary of the findings

Upon testing by polarized light microscopy, the samples collected and analyzed from the above location were found to be non-asbestos containing. See Enclosure (1) for the Lab Results, Enclosure (2) for the Chain of Custody and Enclosure (3) for the Roster of Suspect Materials.

Implications of the findings

As required by state and federal regulations prior to demolition, all the asbestos-containing materials will need to be removed by a licensed asbestos abatement contractor employing trained and certified personnel who follow all pertinent asbestos abatement regulations.

Limitations of the survey

The survey included destructive testing of floors, wall cavities, and exterior brick and foundation mastics, above ceilings, and roofing core samples. There may be other materials that become evident during your demolition activity. Should the requisite EPA/OSHA competent person working for the contractor discover such materials they will need to be tested for asbestos content so determinations of their abatement and disposal (if required) can be made.

Please do not hesitate to contact us with questions relating to the sample results. We thank you for the opportunity to conduct this survey.

Sincerely,

Christopher J. Eident CIH, CSP, RS
CEO



Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 15-09-01430

Client: Mystic Air Quality Consultants
1204 North Road Rt. 117
Groton, CT 06340

Received Date: 09/11/2015
Analyzed Date: 09/15/2015
Reported Date: 09/16/2015

Project/Test Address: Highlands Water Treatment Plant; Ledyard, CT

Client Number:
07-2564

Fax Number:
860-449-8860

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-09-01430-001	1		Brown Brittle; Homogeneous	NAD	100% Non-Fibrous
15-09-01430-002	2		Brown Brittle; Homogeneous	NAD	100% Non-Fibrous
15-09-01430-003	3		Brown Brittle; Homogeneous	NAD	100% Non-Fibrous
15-09-01430-004	4		Green/Gray Aggregate; Black Tar-Like; Inhomogeneous	NAD	15% Fibrous Glass 85% Non-Fibrous
15-09-01430-005	5		Green/Gray Aggregate; Black Tar-Like; Inhomogeneous	NAD	15% Fibrous Glass 85% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 07-2564

Report Number: 15-09-01430

Project/Test Address: Highlands Water Treatment Plant;
Ledyard, CT

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-09-01430-006	6		Green/Gray Aggregate; Black Tar-Like; Inhomogeneous	NAD	15% Fibrous Glass 85% Non-Fibrous
15-09-01430-007	7		Black Tar-Like Fibrous; Homogeneous	NAD	82% Cellulose 18% Non-Fibrous
15-09-01430-008	8		Black Tar-Like Fibrous; Homogeneous	NAD	82% Cellulose 18% Non-Fibrous
15-09-01430-009	9		Black Tar-Like Fibrous; Homogeneous	NAD	82% Cellulose 18% Non-Fibrous
15-09-01430-010	10		Tan Paint-Like; Gray Powdery; White Granular; Brown Fibrous; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous
15-09-01430-011	11		Tan Paint-Like; Gray Powdery; White Granular; Brown Fibrous; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous
15-09-01430-012	12		Tan Paint-Like; Gray Powdery; White Granular; Brown Fibrous; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 07-2564

Report Number: 15-09-01430

Project/Test Address: Highlands Water Treatment Plant;
Ledyard, CT

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-09-01430-013	13		White Paint-Like; Granular; Gray Powdery; Brown Fibrous; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous
15-09-01430-014	14		White Paint-Like; Granular; Gray Powdery; Brown Fibrous; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous
15-09-01430-015	15		White Paint-Like; Granular; Gray Powdery; Brown Fibrous; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 07-2564
Project/Test Address: Highlands Water Treatment Plant;
Ledyard, CT

Report Number: 15-09-01430

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
-------------------	----------------------	------------	-----------------------	----------	-----------------

QC Sample: 76-M22013-1

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: Sami Hosn

Reviewed By Authorized Signatory:



Howard Varner
General Manager

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected



Environmental Hazards Services, LLC
www.ehs-lab.com
7469 Whitepine Rd
Richmond, VA
(800)347-4010
(804)275-4907 (fax) 23237

15 PLM

Asbestos Chain-of-Custody

15-09-01430



Due Date:
09/16/2015
(Wednesday)
AE

S

Company Name: Mystic Air Quality Consultants

Address: 1204 North Rd., Groton, CT 06340

Phone: 860 449 8903

Fax: 860 449 8903

Project Name and Address: Highlands Water Treatment Plant

E-mail: maq2@aol.com

Collected by: Brian Woodward

Signature

Brian Woodward

Turn around time: Standard One day (will call ahead)

City/state/zip: Groton, Ct. 06340

Acct. Number: 07-2564

City/State (required) Lebanon, CT

Mystic Air Client: Town of Lebanon

No.	Client's Sample No.	Date Collected	PLM Analysis	Other Analysis Specify	Material Description	Sample Location	Comments
1	1-3	9/10/15	X	Pos. Stop	Gaskets	See Roster	
2	4-6				Shingles		Bulk
3	7-9				Roof felt		
4	10-12				Sheetrock-Wall system		
5	13-15		X		" " - Ceiling system		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

★ Positive STOP ★

Released by: Brian Woodward

Signature: B Woodward

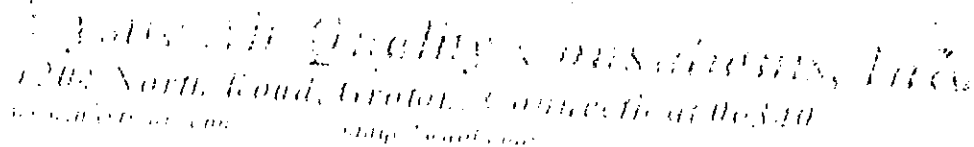
Received by: STONE

Signature:

STONE

date: 9/10/15

date: 9/11/15


$$\Delta H = \Delta G + T \Delta S$$

2 Blogs
R Commercial

SUSPECT ASBESTOS CONTAINING MATERIALS ROSTER

SITE: Highlands Water Treatment Plant
Lebanon, CT

DATE: 9/10/15

☒ Demo ☐ Pre-Rena ☐ Limited & Directed

COMMENTS:

Inspector: Brian R. Woodward Page 1 of 1